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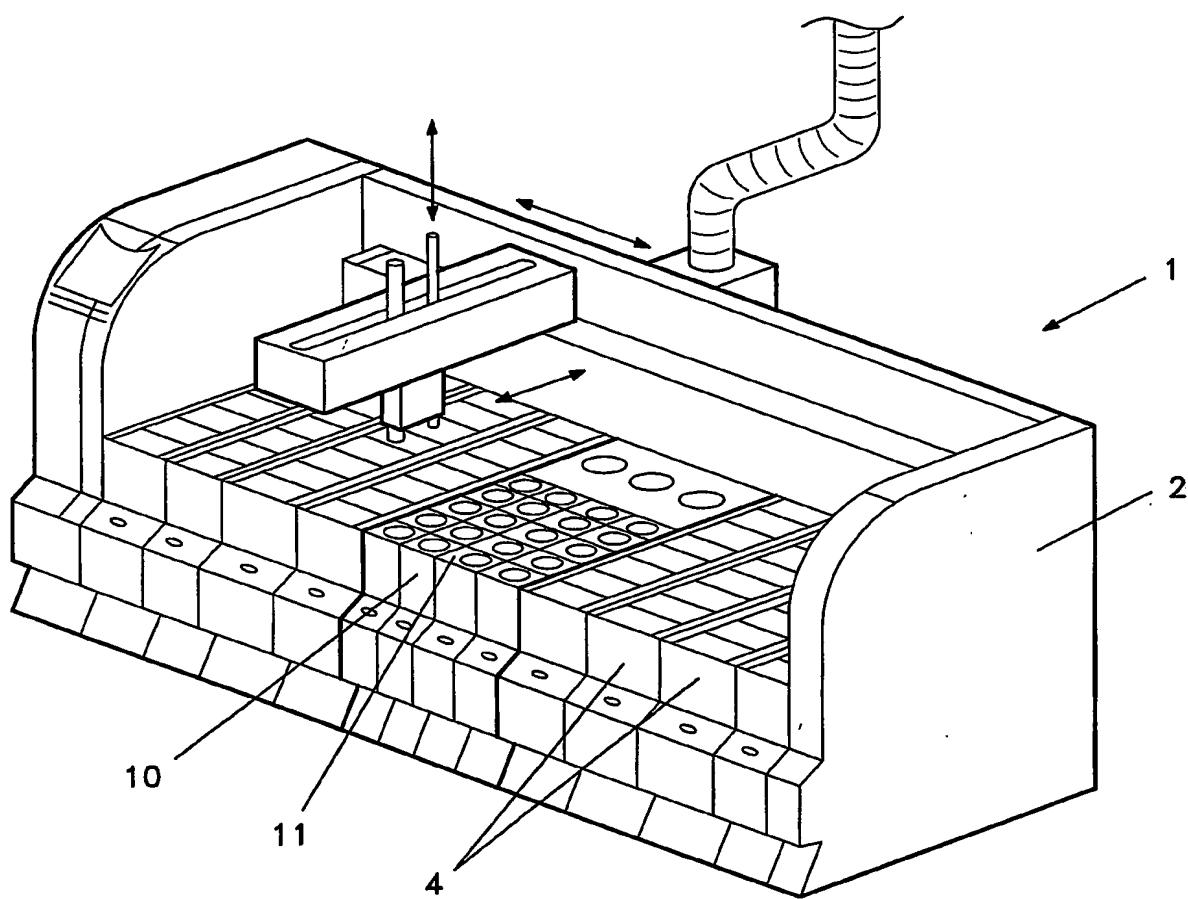


Fig. 1

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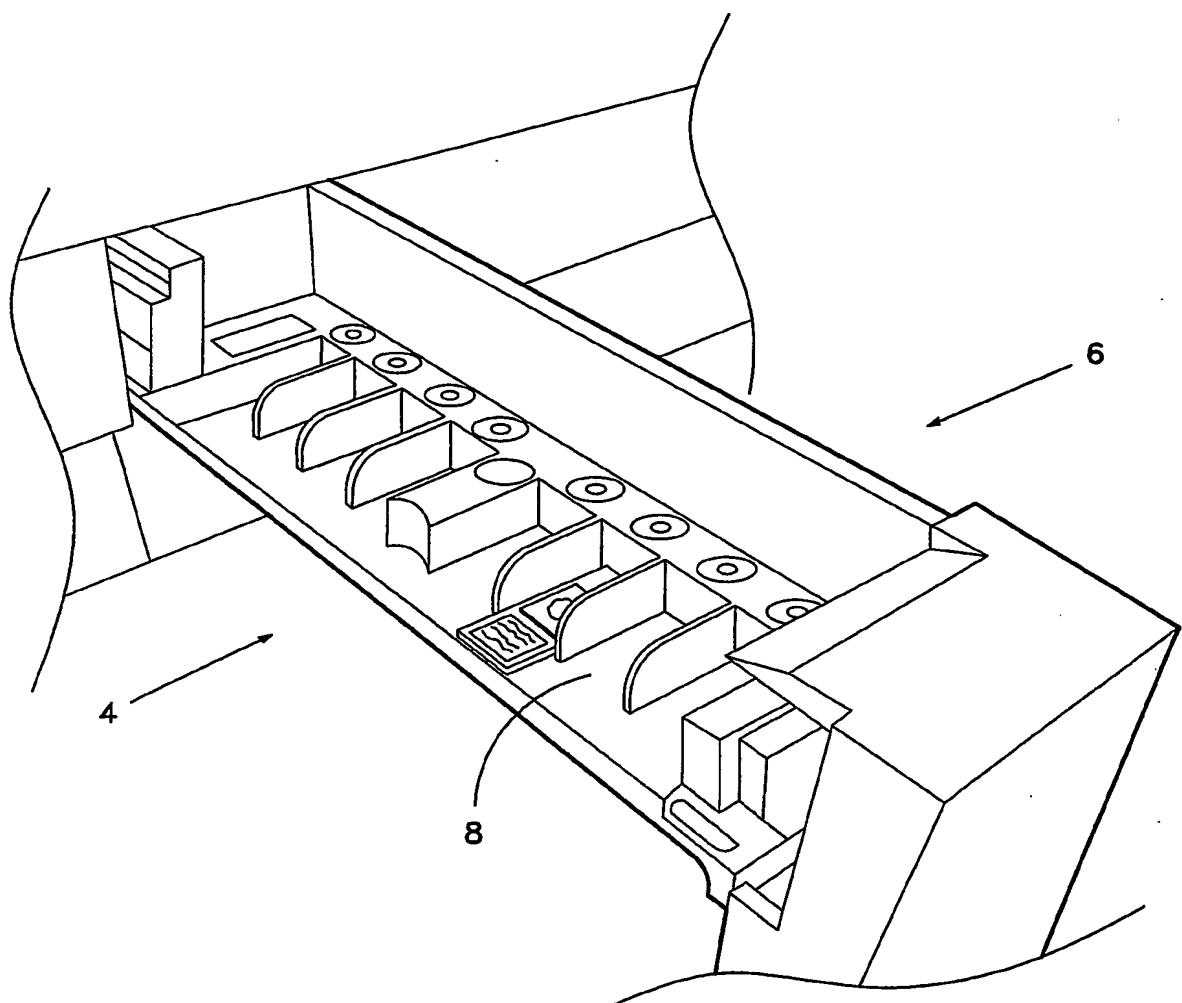


Fig. 2

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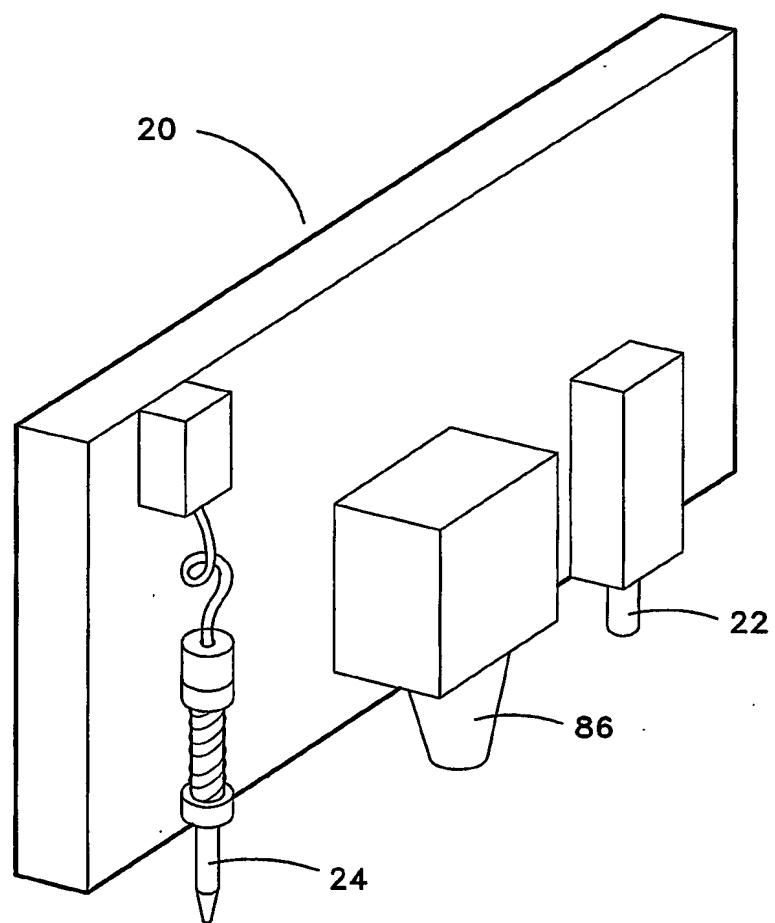
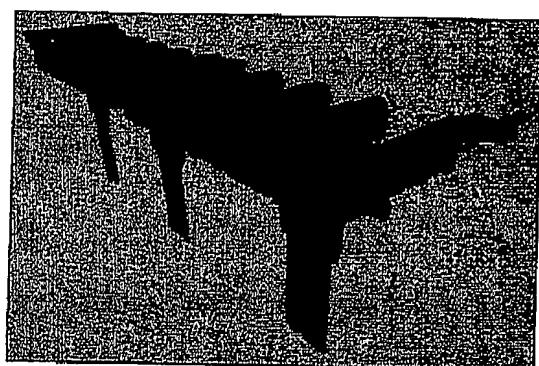
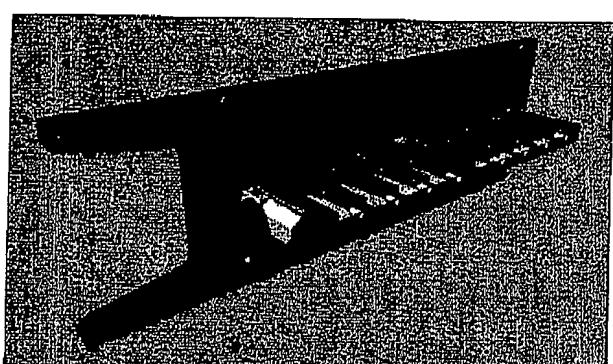
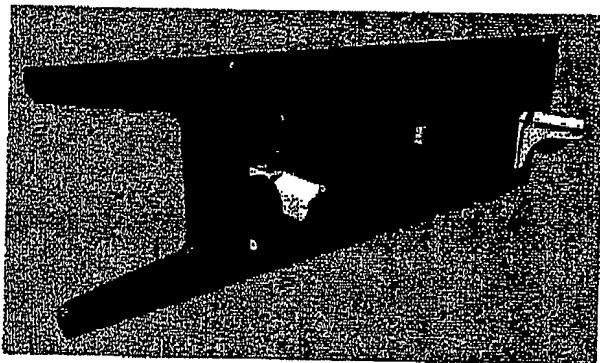
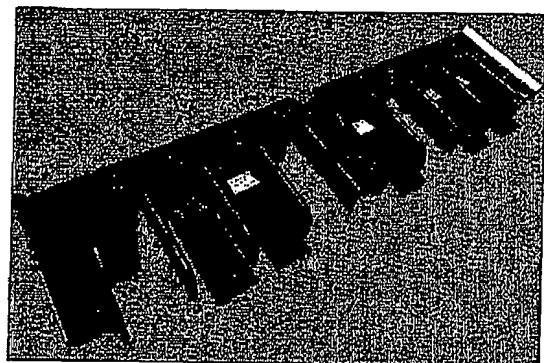
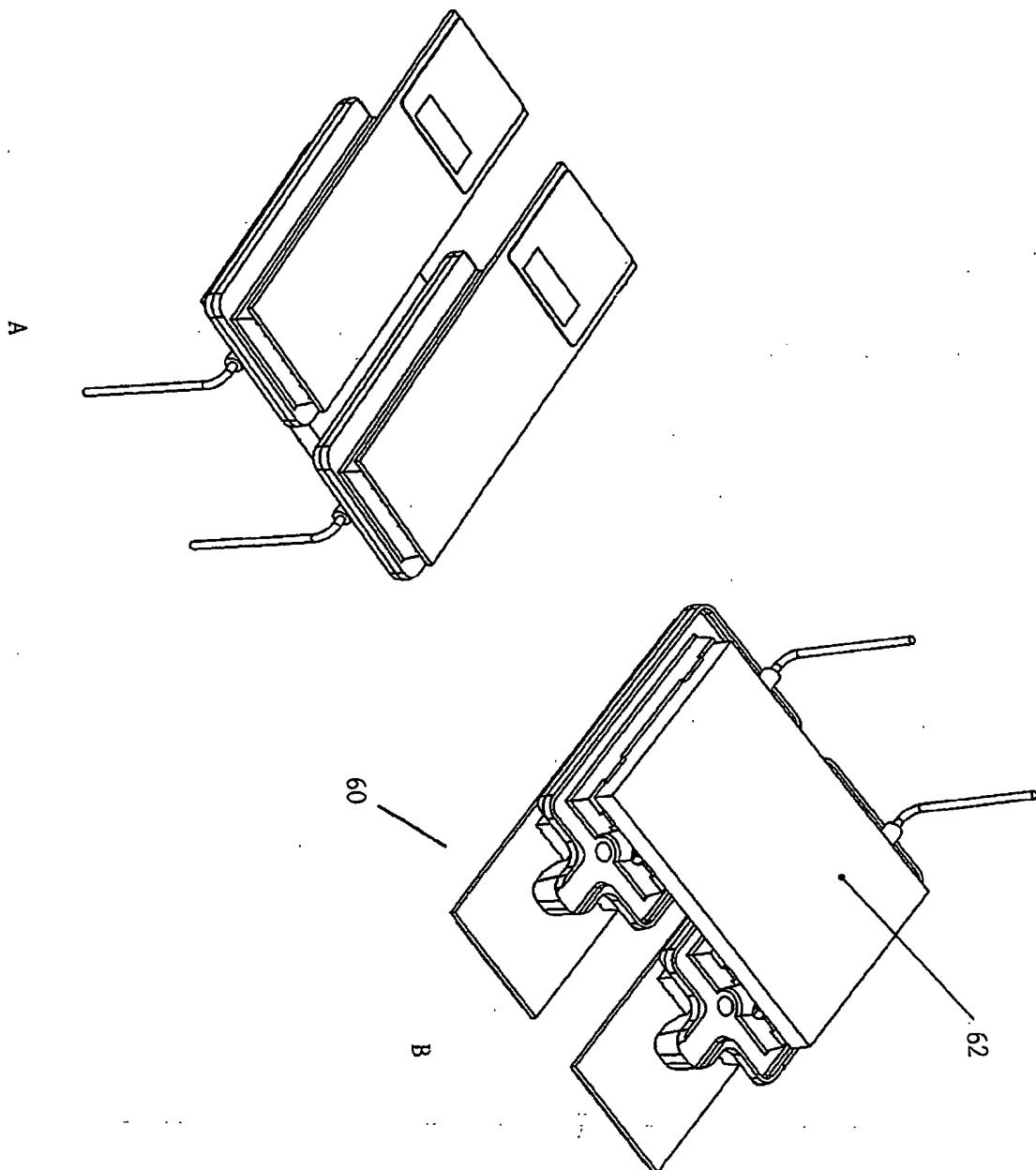


Fig. 3

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A**B****C****D****Fig. 4**



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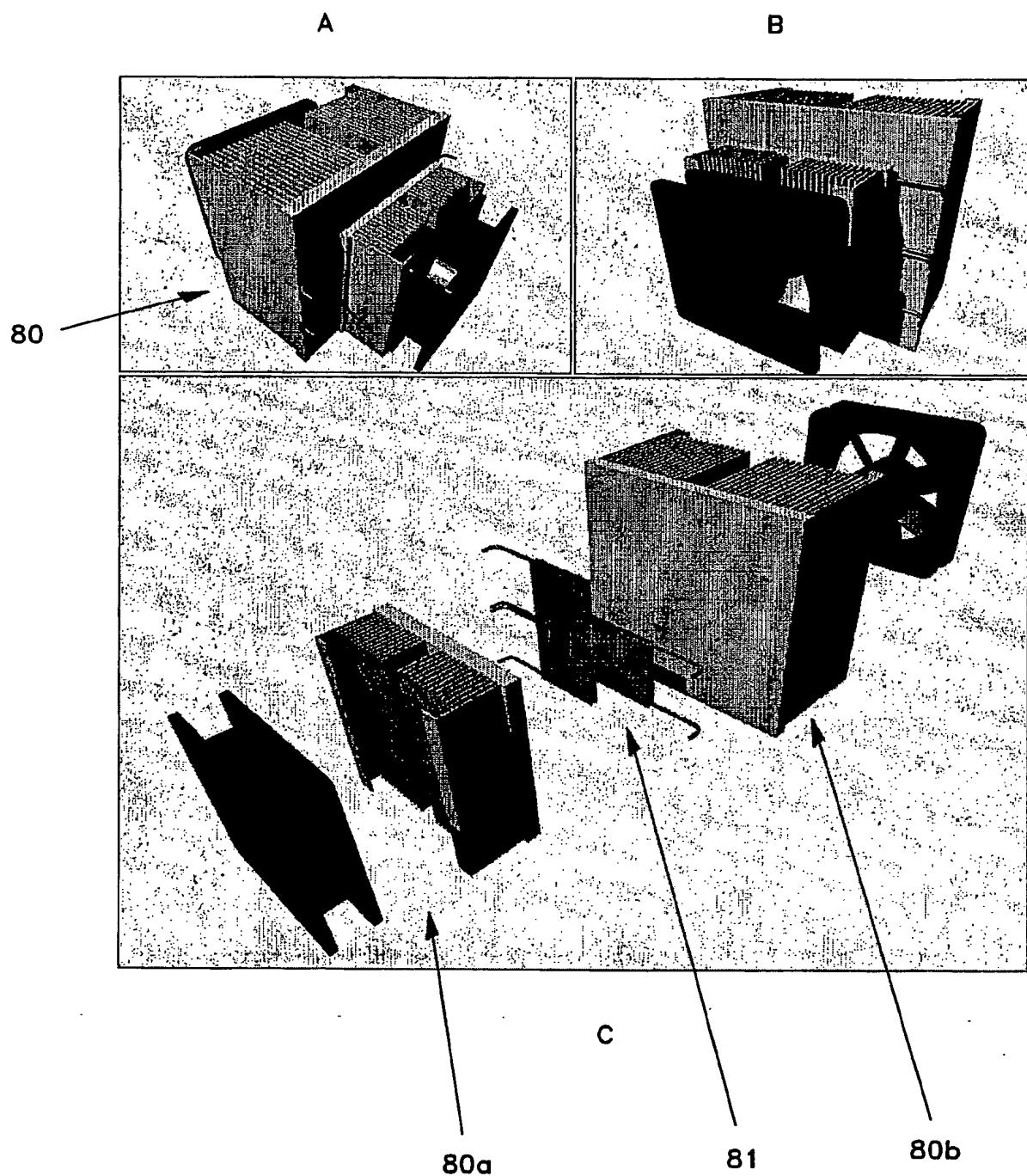


Fig. 6

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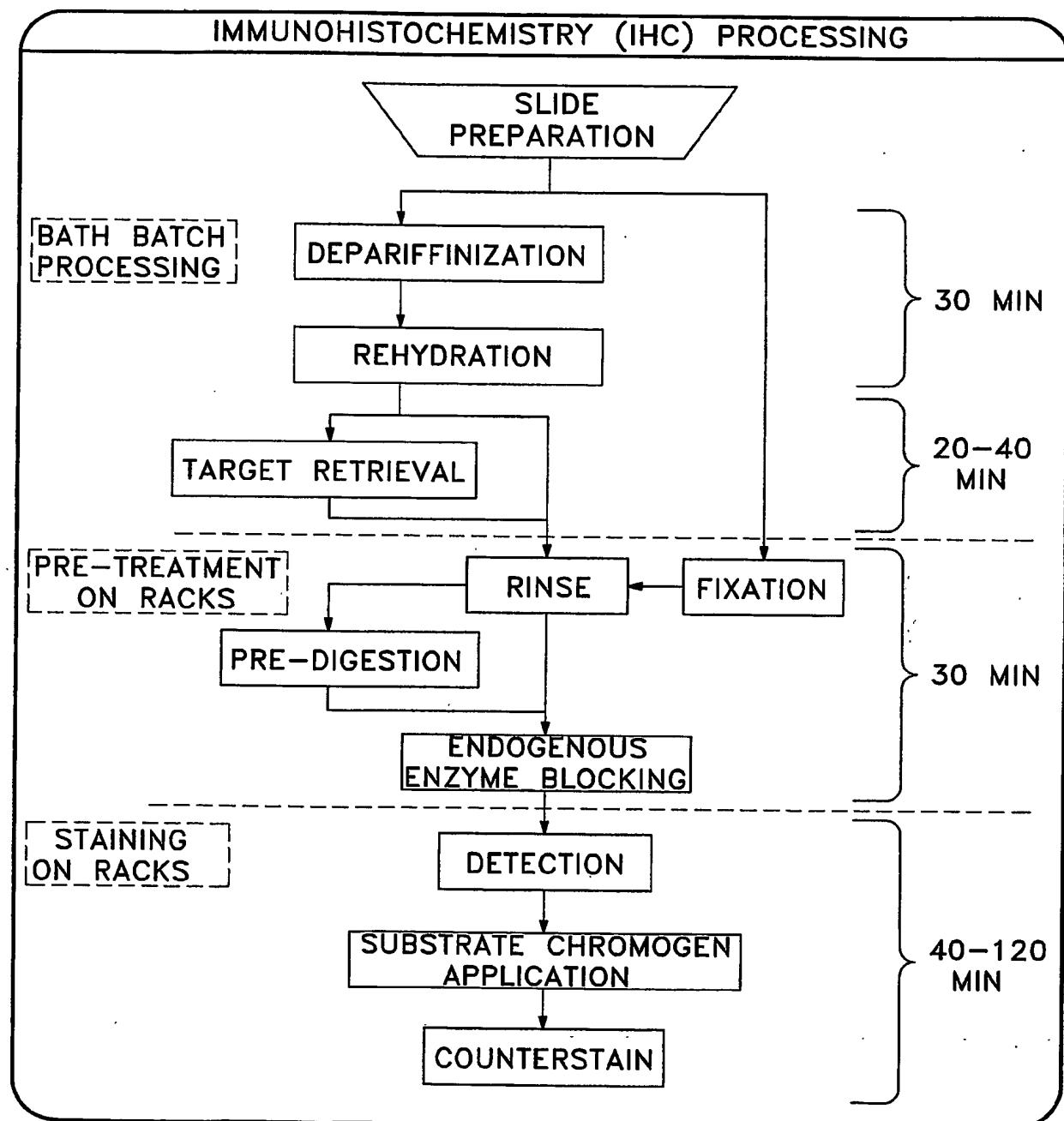


Fig. 7

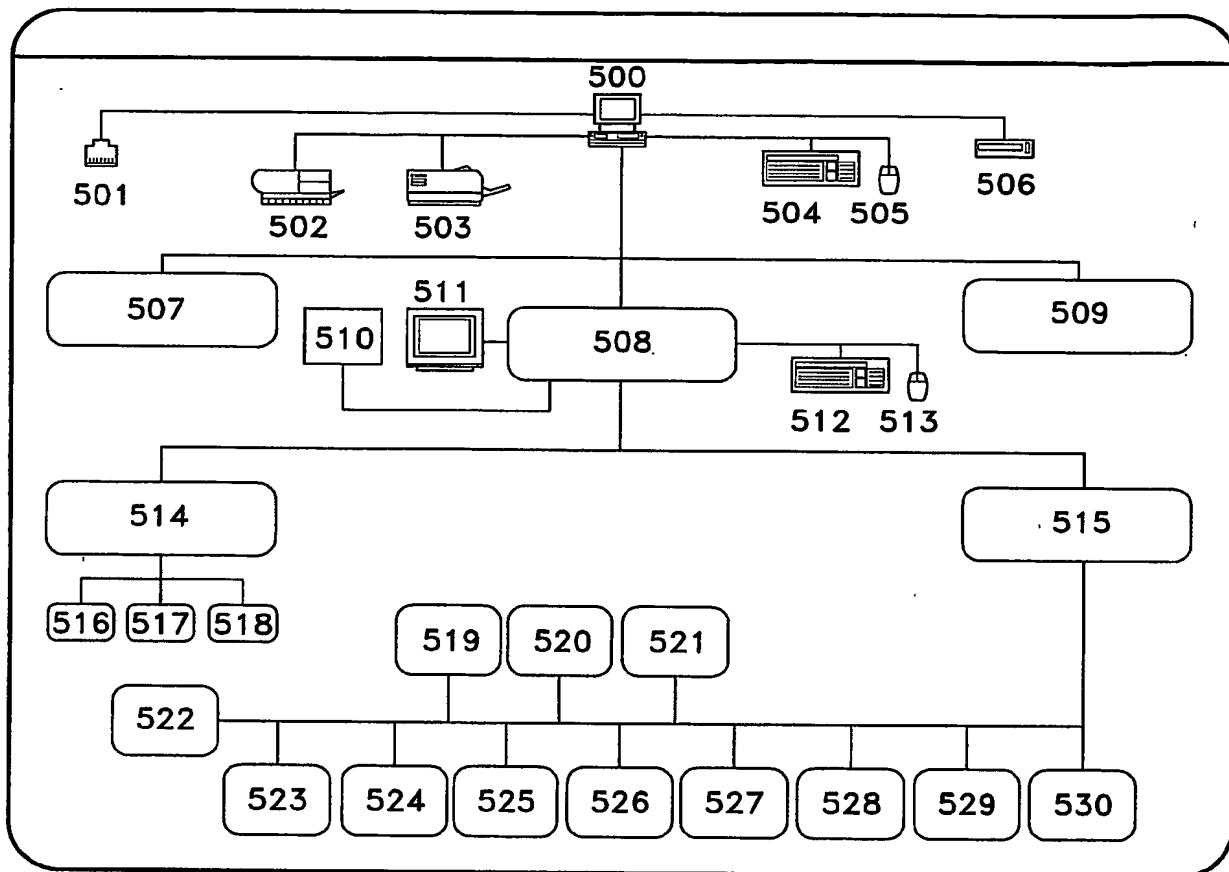
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IHC Deparaffinization Process:

Process	Protocol Step	Time (min)	Temp C	Waste Segregation
Deparaffinization	Switch			Hazardous Waste
	Histoclear	5		
	Drain			
	Histoclear	5		
	Drain			
Re-Hydration	100% Ethanol	5		
	Drain			
	100% Ethanol	5		
	Drain			
	95% Ethanol	5		
	Drain			
	95% Ethanol	5		
	Rinse - Water	5		
	Switch			Non-Hazardous Waste
Target Retrieval	Target Retrieval	20	95	
	Target Retrieval	20	55	
	Cool			
Enzyme/Antibody Application	Rinse - Water	5	RT	
	Peroxide Block	5		
	Enzyme Pretreatment	5		
	Rinse - Buffer			
	Pre-Diluted Antibody	10		
	Rinse - Buffer			
Chromogen/Counterstain Treatment	EnVision-HRP	10		
	Rinse - Buffer			
	Switch			Hazardous Waste
	DAB	5		
	Rinse - Buffer			
	Hematoxylin	5		
	Rinse - Water			

Fig. 8

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Key to Figure 9

500	Manager	516	X-Axis
501	100 BaseT	517	Y-Axis
502	Laser printer	518	Z-Axis
503	Label Printer	519	LCD Touch
504	Keyboard	520	Probe Wash/Swap
505	Mouse	521	Misc PCBA
506	Storage Media	522	Cart PCBA
507	Stainer A Embedded PC	523	Drawer 1 Control
508	Stainer B Embedded PC	524	Drawer 2 Control
509	Stainer C Embedded PC	525	Drawer 3 Control
510	Touch Screen	526	Drawer 4 Control
511	Monitor	527	Drawer 5 Control
512	Keyboard	528	Drawer 6 Control
513	Mouse	529	Drawer 7 Control
514	Motor Controller	530	Drawer 8 Control
515	Master PCBA		

Fig. 9

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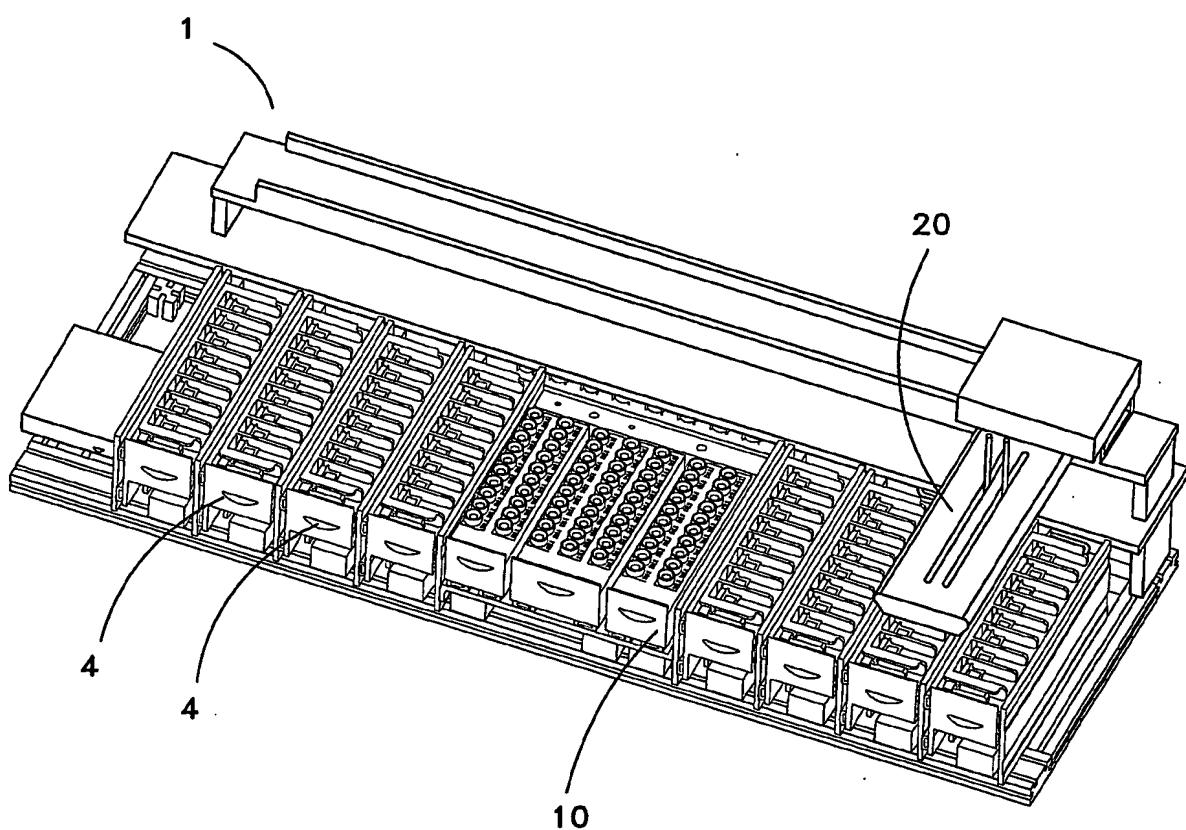


Fig. 10

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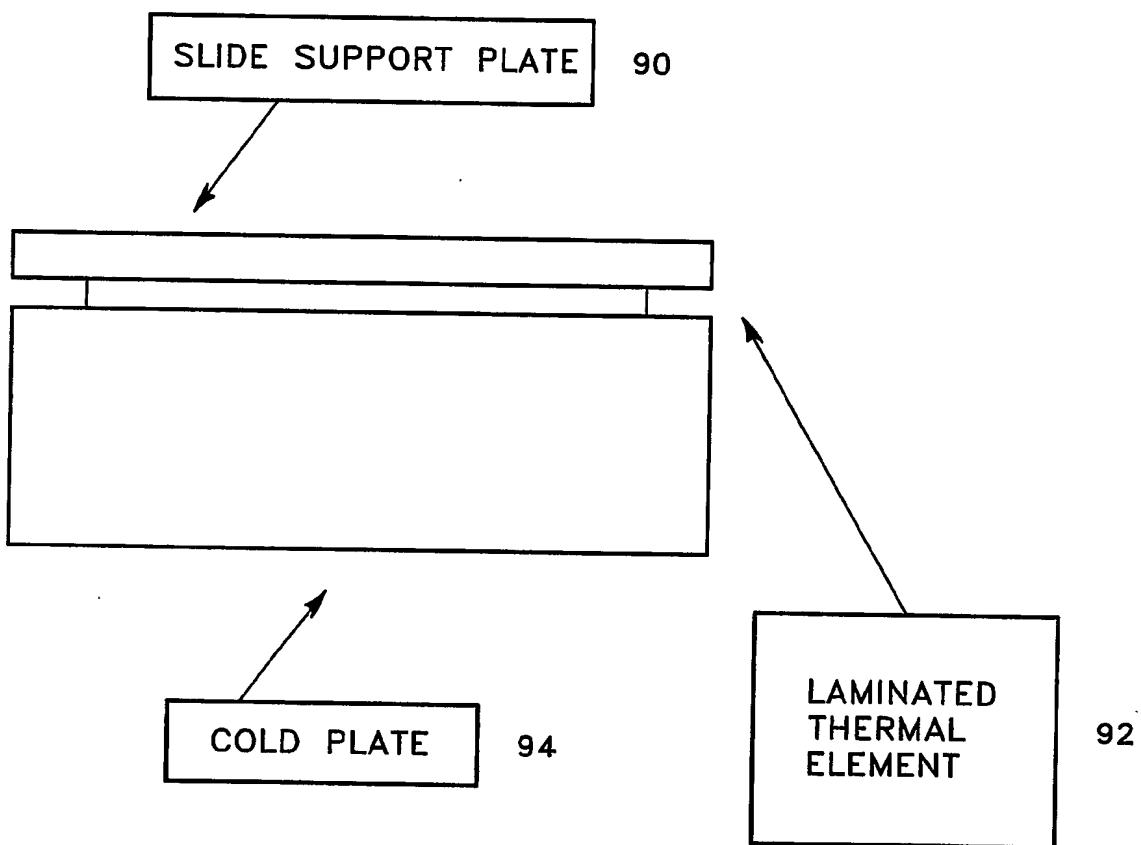


Fig. 11

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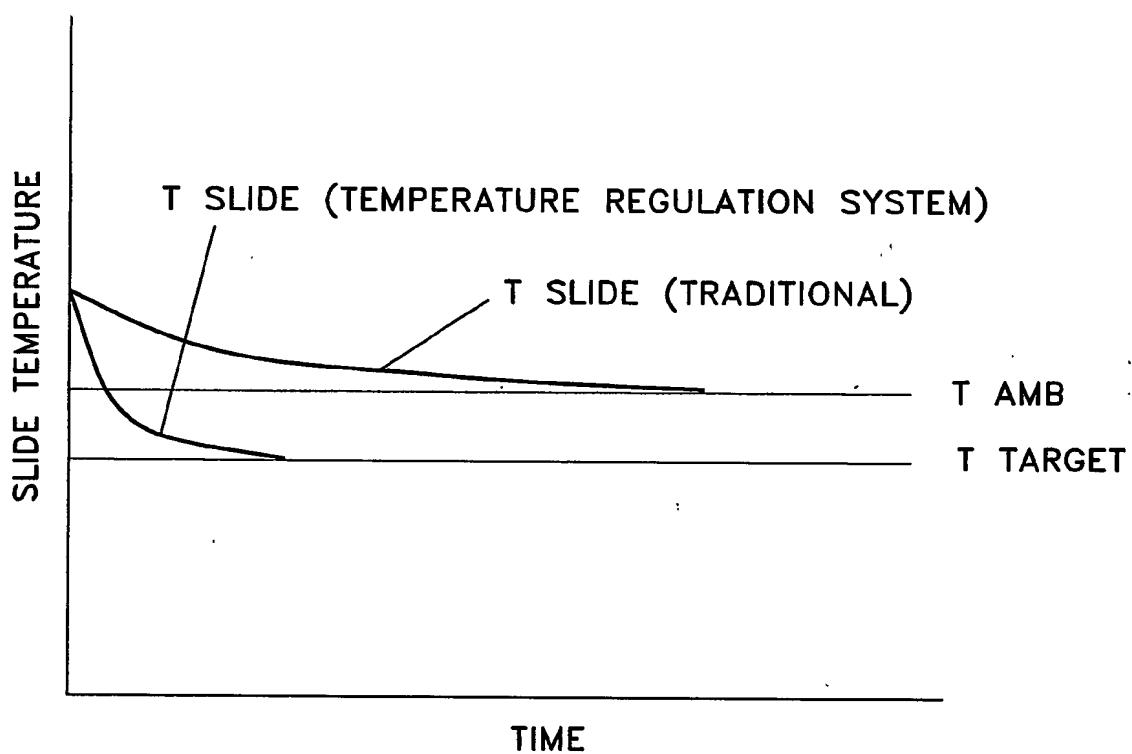


Fig. 12

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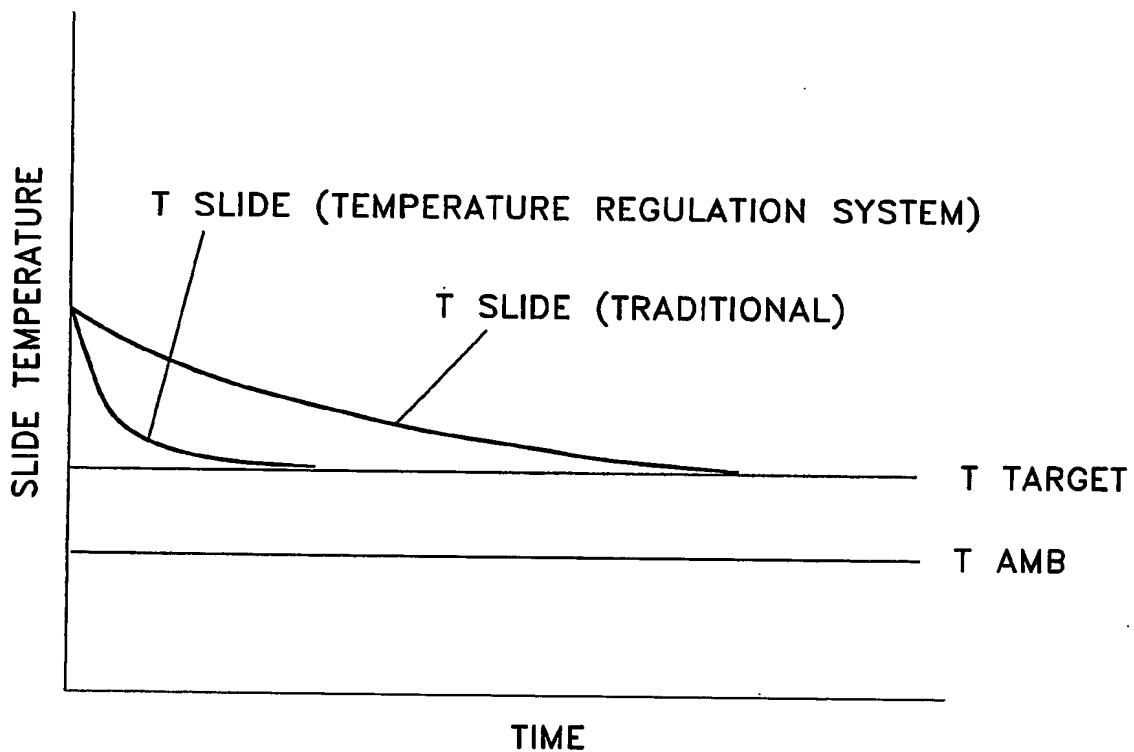


Fig. 13

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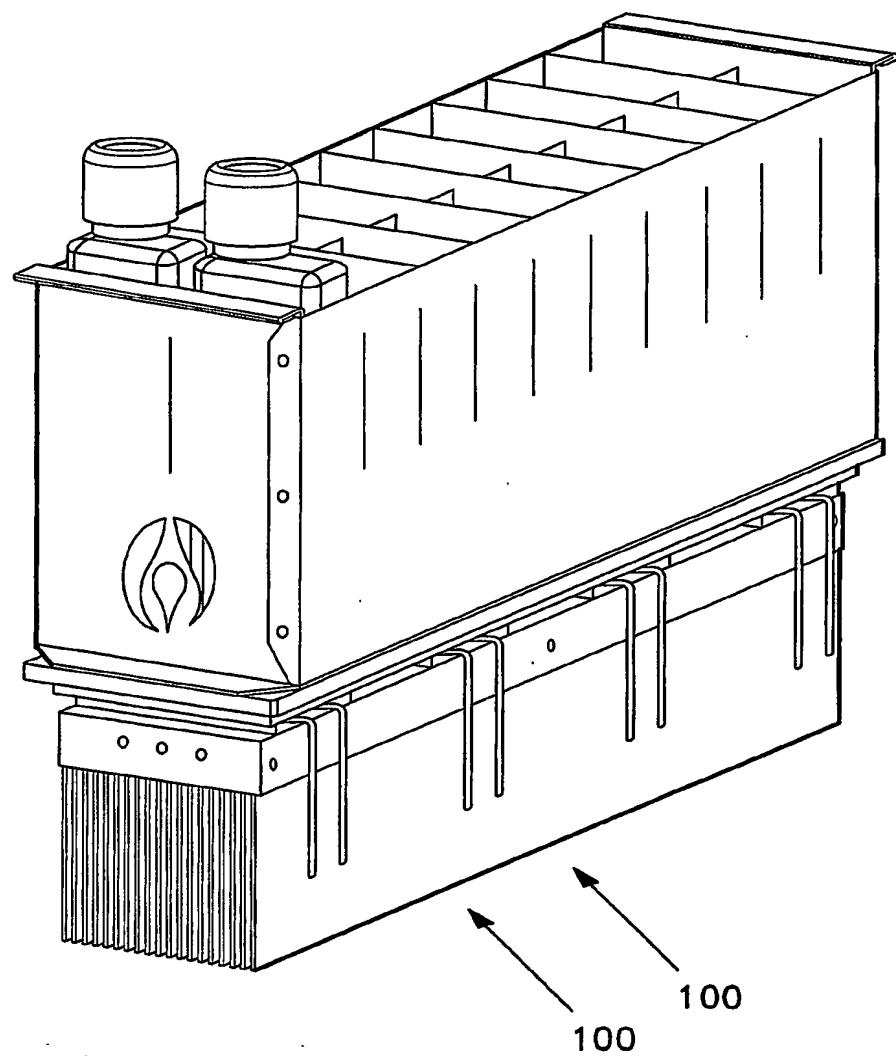


Fig. 14